

### ***Abstract***

One aspect of the present invention relates to compounds, comprising at least two moieties selected from the group consisting of aryl sulfonates and aryl sulfates. A second aspect of the present invention relates to combinatorial libraries of the aforementioned compounds. The present invention also relates to compositions comprising a compound of the present invention. A fourth aspect of the present invention relates to the use of a compound or composition of the present invention in a method for inhibiting bioadhesion to a surface. Another aspect of the present invention relates to the use of a compound or composition of the present invention in a method for enhancing bioadhesion to a surface.